SAFETY DATA SHEET

DATE PRINTED	5/27/2015
SDS REF. No :	RC-994

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: URETHANIZER ROOF SEALER
Product Code: RC-994

Manufacturer
LANCO & HARRIS
600 MID FLORIDA DR

ORLANDO, FL 32824
407-240-4000

24 HR. Emergency Telephone Number
CHEMTREC (US Transportation):1 (800)424-9300
CHEMTREC (International Transportation) : 1(703)527-3887

2. HAZARDS IDENTIFICATION

Classification (substance or mixture):
2 Category - Possible carcinogenicity (Titanium Dioxide)

GHS Label Elements:

Signal Word: Warning

Hazard Statements:
H351 Suspected of causing cancer .

Precautionary Statement:
No GHS precautionary statement

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number

Acrylic Polymer Emulcion	40% to 50%	MIXTURE
Calcium Carbonate	20% to 30%	471-34-1
Water	0.05% to 10%	7732-18-5
Titanium Dioxide	0.05% to 10%	13463-67-7
Ceramic Microspheres	0.05% to 10%	66402-68-4
Zinc Oxide	0.05% to 10%	1314-13-2
Polyurethane Dispersion	0.05% to 10%	MIXTURE
Propylene Glycol	0.05% to 10%	57-55-6
Trimethyl Pentanediol Monoisobutyrate	0.05% to 10%	25265-77-4
*3-Iodo-2-Propynyl Butyl Carbamate	0.05% to 10%	55406-53-6
4,4 dimethyloxazolidine	0.05% to 10%	51200-87-4
Polyethylene glycol octylpheyl ether	0.05% to 10%	9036-19-5
2-Dymethylaminoethanol	0.05% to 10%	108-01-0

* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

4. FIRST AID MEASURES

Eyes: In case of eye contact, flush with large amount of water for at least 15 minutes. Get medical assistant.

Skin: Immediately wash skin with soap and plenty of water.
Get medical attention if irritation develops or persist.

Ingestion: Do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Inhalation: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

Notes To Physician: Summon professional firefighters. Use full protective equipment including self-contained breathing apparatus. water spray may be ineffective. If water is used, fog nozzles are preferable.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media: None Known

Specific Hazard In Case Of Fire: Hazardous decomposition. May cause hazardous fumes when heated to decomposition. Fumes may contain carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of metals listed in section 2.

Special Protective Equipment And Precaution For Fire Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Environmental Precautions: Do not allow spill to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, or smoking. Promptly remove soiled clothing and wash thoroughly before reuse.

Method And Materials For Containment And Cleaning Up: Eliminate ignition source, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid. Thoroughly wet with water and mix.

Collect absorbent/absorbent water/spilled liquid mixture into metal containers and add enough water to cover. Consult local state and federal hazardous regulation before disposing into approved hazardous waste landfills. Obey relevant law.

7. HANDLING AND STORAGE

Precaution For Safe Handling: Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mist or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions For Safe Storage, Including Incompatibilities: Handle containers carefully to prevent damage and spillage. Incompatible materials: Alkaline materials, strong acid and oxidizing materials.

Store in original containers at temperatures between 5 ºC and 25 ºC. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight. Keep containers tightly closed. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labeled container.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

Exposure Limits

Components	CAS	Limits
Calcium Carbonate	471-34-1	OSHA PEL: 15 mg/m3 ACGIH TLV: 10 mg/m3
Titanium Dioxide	13463-67-7	OSHA PEL 15 mg/m3 TWA (Dust) ACGIH TLV 10 mg/m3 TWA (Dust)
Propylene Glycol	57-55-6	TLV (ACGIH) 10 mg/m3

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such system are not effective wear suitable personal protective equipment, which performs satisfactorily and meet OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Personal Protective Equipment:

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.

Eyes Protection: Safety glasses with side-shields.

Skin Protection: Chemical -resistance gloves and chemical goggles, face-shield and synthetic apron or coveralls should deb used to prevent contact with eyes, skin or clothing.

Work Hygienic Practices: Ensure shower and eyewash station are available. Use good personal hygiene practices. Wash hand before eating, drinking. Promptly remove soiled clothing and wash thoroughly before reuse.

Other Use Precautions: None

Comments: No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: White

Flash Point And Method: NA Not applicable

Auto-Ignition Temperature: Not available

Boiling Point/Range: n/a

Melting Point: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Solubility in Water: Soluble in cold water.

Odor: Little or no odor

Upper /Lower Flammable Limits: Not applicable TO Not applicable

Relative Density (g/cm3): 1.3710

Evaporation Rate: Not available

Flammability (Solids, Gas): Not available

Partition Coefficient: Not available

pH: 8.25 to 9.5

Decomposition Temperature: Not available

Coating VOC (gm/l): 57

Material VOC (gm/l): 32

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Possibility Of Hazardous Reactions: None under normal condition of use.

Conditions To Avoid: Poor ventilation.

Materials To Avoid: Keep away from the following materials to prevent strong exothermic reaction: oxidizing agents, strong alkalis, strong acids.

Hazardous Decomposition Products: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Sings And Symptoms Of Overexposure: No information available.

Acute Effects:

Eye Contact: No information available.

Skin Contact: No information available.

Inhalation: No information available.

Ingestion: No information available.

Target Organ: No information available.

Chronic Effects: No information available.

Toxicity Values: No information available.

TOXICOLOGICAL INFORMATION

Titanium Dioxide(13463-67-7)	
LD50 Dermal	>10000 mg/kg
LD50 Inhalation (Dust)	>6.82 mg/l
LD50 Oral	>10000 mg/kg

CARCINOGENICITY: The information below indicates whether each agency has listed any ingredient as a carcinogen:

Components	CAS	Carcinogen (IARC)
Titanium Dioxide	13463-67-7	2B Possible Human Carcinogen

12. ECOLOGICAL INFORMATION

Persistence And Degradability: No information available.

Bio-Accumulative Potential: No information available.

Mobility In Soil: No information available.

Other Adverse Effects: No information available.

Eco-toxicological Other Information: No information available.

ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Disposal Method: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and /or state and local guidelines.

14. TRANSPORT INFORMATION

	DOT	IMDG	AIR (IATA)
UN Number	Not regulated	Not Regulated	Not Regulated
UN Proper Shipping Name	Not regulated	Not Regulated	Not Regulated
Hazard Class	Not regulated	Not Regulated	Not Regulated
Packing Group	Not regulated	Not Regulated	Not Regulated
Environmental Hazard	Not regulated	Not Regulated	Not Regulated
Marine Pollutant (Y/N)	No	No	No

15. REGULATORY INFORMATION

U.S. Regulations:

U.S. SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 Hazard Categories: Hazardous Information

Fire: No **Pressure Generating:** No

Reactivity: No **Acute:** No **Chronic:** No

313 Reportable Ingredients: This product contains a chemical or chemicals which are subject to the reporting requirements of section 313 of title 40 CFR 372.

313 REPORTABLE INGREDIENTS

Chemical Name	Weight %	CAS
*3-Iodo-2-Propynyl Butyl Carbamate	0.2624	55406-53-6

302/304 Emergency Planning

Emergency Plan: No

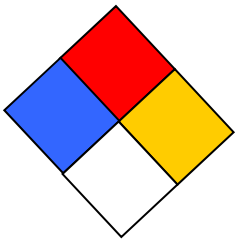
State Regulations: No

Other Govt. Regulations: No

16. OTHER INFORMATION

HMIS RATING	
Health :	1
Flammability :	0
Reactivity :	0
Personal Protection :	B

NFPA CODES



DATE CREATED	05-26-15

Revision Indicator: None

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